

I, Masasuke Sakai, do hereby declare that I am familiar with the above-identified patent application. I entered Osaka Aerosol Industry Co., LTD (absorbed by Osaka Shipbuilding Co., Ltd former company of Daizo Co., Ltd) on 1968 and I now belonged to Research and Development Department. I have been in R & D Department for total of more than 25 years. I am conversance with the aerosol product widely from basic experiment, commercialization, industrial technology, and quality control.

Under my control, tests were conducted to compare the flash points of the solutions with various ratio of the isopropyl alcohol as lower alcohol.

Sample 1 to Sample 7 consisting of Isopropyl alcohol, Butylcellosolve, and water was made referring to the examples of the Suk (CA1166374). The amount of Isopropyl alcohol, Butylcellosolve, and water of Sample 1 and the example 1 of Suk, Sample 2 and the example 2 of the Suk, Sample 3 and the example 8 of the Suk, Sample 4 and the example 9 of the Suk, Sample 5 and the example 10 of the Suk, Sample 6 and the example 11 of the Suk, and Sample 7 and the example 13 of the Suk are the same. Sample 8 consisting of Isopropyl alcohol and water was made referring to the example 5 of the Watanabe et al. (EP0888716).

The test were conducted using tag closed cup flash point tester (available by Nippon Abura Shikenki Kogyo Kabushiki Kaisha) in the following order in experimental lavatory of Daizo Co., LTD with test environment of 1 atm, no wind.

1. Pour 50 ml of the Sample in a sample cup.
2. Lighten the testing flame and adjusts the diameter of flame to 4 mm.
3. Heat the sample cup and increase the temperature of the Sample by 1 degree Celsius per 60 seconds.
4. Open the gating when Sample increases 0.5degree Celsius. Place the testing flame above the Sample and remove the testing flame from the

Sample in a second. Close the gating until the Sample increase another 0.5 degree Celsius.

5. Continue the procedure 4 until the Sample flashes.

The results are shown in the Table 1 below. It can clearly be seen the Sample with the existing of the lower alcohol (isopropyl alcohol) of about 10% or more has the flash point at 25 to 28 degree Celsius.

Table 1

	Water ml(wt%)	Isopropyl Alcohol ml(wt%)	Butylcellosolve ml(wt%)	Flash Point(°C)
Sample1	13.25 (41.0%)	15.0 (46.5%)	4.0 (12.5%)	26.0
Sample2	10.0 (33.9%)	15.0 (50.8%)	4.5 (15.3%)	25.5
Sample3	9.5 (32.8%)	15.0 (51.7%)	4.5 (15.5%)	25.0
Sample4	12.7 (40.1%)	15.0 (47.3%)	4.0 (12.6%)	26.0
Sample5	15.03 (43.5%)	15.0 (43.5%)	4.5 (13.0%)	27.0
Sample6	8.8 (46.8%)	7.7 (41.0%)	2.3 (12.2%)	26.5
Sample7	24.7 (55.2%)	15.0 (33.6%)	5.0 (11.2%)	27.5
Sample8	30.0 (62.8%)	17.8 (37.2%)	0	25.0

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 81 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

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